

IN THE CLAIMS

1. (Currently amended) A **flexible** absorbent sheet consisting essentially of:

(a) a superabsorbent polymer component, as particles, comprising

(i) at least one unneutralized acidic water-absorbing resin, and

(ii) at least one unneutralized basic water-absorbing resin, wherein the superabsorbent polymer component is free of interparticle crosslinking; and

(b) a plasticizing component in an amount of about 0.1 to about 200 parts by weight per 100 weight parts of the superabsorbent polymer component, wherein the sheet contains about 60% to 100%, by weight, of (a) and (b),

wherein the sheet material is flexible and has a density of about 0.65 to about 0.85 g/cc.

2. (Original) The sheet of claim 1 wherein the superabsorbent polymer component comprises discrete particles of the acidic resin and discrete particles of the basic resin.

3. (Previously presented) The sheet of claim 1 wherein the superabsorbent polymer component comprises multicomponent superabsorbent polymer particles wherein each particle has at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin.

4. (Previously presented) The sheet of claim 1 wherein the superabsorbent polymer component comprises particles having a particle size distribution of about 10 to about 810 μm .

5. (Previously presented) The sheet of claim 1 wherein the superabsorbent polymer component comprises particles having a particle size distribution of about 30 to about 375 μm .

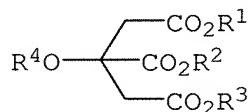
6. (Previously presented) The sheet of claim 1 wherein the superabsorbent polymer component comprises particles having a mass median particle size of less than about 400 μm .

7. (Previously presented) The sheet of claim 1 wherein the acidic water-absorbing resin is selected from the group consisting of polyacrylic acid, a hydrolyzed starch-acrylonitrile graft copolymer, a starch-acrylic acid graft copolymer, a saponified vinyl acetate-acrylic ester copolymer, a hydrolyzed acrylonitrile polymer, a hydrolyzed acrylamide copolymer, an ethylene-maleic anhydride, copolymer, an isobutylene-maleic anhydride copolymer, a poly(vinylphosphonic acid), a poly(vinylsulfonic acid), a poly(vinylphosphoric acid), a poly(vinylsulfuric acid), a sulfonated polystyrene, a poly(aspartic acid), a poly(lactic acid), and mixtures thereof.

8. (Previously presented) The sheet of claim 1 wherein the basic water-absorbing resin is selected from the group consisting of a poly(vinylamine), a poly(dialkylaminoalkyl(meth)acrylamide), a polymer prepared from the ester analog of an N-(dialkylamino(meth)acrylamide), a polyethylenimine, a poly(vinylguanidine), a poly(allylguanidine), a poly(allylamine), a poly(dimethyldialkylammonium hydroxide), a guanidine-modified polystyrene, a quaternized polystyrene, a quaternized poly(meth)acrylamide or ester analog thereof, poly(vinylalcohol-co-vinylamine), and mixtures thereof.

9. (Previously presented) The sheet of claim 1 wherein the plasticizer component is selected from the group consisting of an alcohol, a glycol, a triol, a polyhydroxy compound, an amine alcohol, an amide, a sulfoxide, a glycol ether, a glycol ester, an aprotic solvent, and mixtures thereof.

10. (Previously presented) The sheet of claim 1 wherein the plasticizer component is selected from the group consisting of glycerol; propylene glycol; ethylene glycol; hexylene glycol; 1,3-butylene glycol; diethylene glycol; triethylene glycol; 1,3-propanediol; pentaerythritol; 1,4-butane diol; diacetone alcohol; water; trimethylolpropane; trimethylolethane; neopentyl glycol; cyclohexanedimethanol; isopropylidene bis(p-phenyleneoxypropanol-2); polyethylene glycol (M.W. 500 or less); polypropylene glycol (M.W. 500 or less); polybutylene glycol (M.W. 500 or less); methanol; ethanol; butanol; mono-, di-, and triacetin; the monomethyl, ethyl, butyl, and phenyl ethers of ethylene glycol, diethylene glycol, propylene glycol, dipropylene glycol, and tripropylene glycol, e.g., monomethyl ether of propylene glycol or monoethyl ether of ethylene glycol; dimethylformamide; diethylformamide; N-methylpyrrolidone; dimethyl sulfoxide; triethanolamine; diethanolamine; tetrahydrofuran; ethylene carbonate; isophorone; dioxane; hexamethylphosphoramide; sorbitol; a sorbitan fatty acid ester; aqueous sucrose; a citrate having a formula:



wherein R¹, R², and R³, independently, are C₁₋₄alkyl and R⁴ is selected from the group consisting of hydrogen, C₁₋₄alkyl, and C(O)R⁵, wherein R⁵ is an alkyl group; an ethoxylated alkylphenol; an and propoxylated fatty (C₆₋₂₂) alcohols; a polyethylene glycol ether of methyl glucose; a polyethylene glycol ether of sorbitol; an ethylene oxide-propylene oxide block copolymer; an ethoxylated ester of fatty (C₆₋₂₂) acid; a condensation product of ethylene oxide with long-chain amine or amide; and mixtures thereof.

11. (Currently amended) The sheet material of claim 1 wherein the SAP superabsorbent polymer component is internally plasticized.

12. (Previously presented) The sheet material of claim 1 wherein the acidic water-absorbing resin comprises poly(acrylic acid); the basic water-absorbing resin comprises poly(vinylamine), polyethylenimine, or a mixture thereof; and the plasticizing agent comprises propylene glycol, glycerol, water, and mixtures thereof.

13. (Previously presented) The sheet of claim 1 further comprising up to 40%, by weight in total, of one or more optional ingredient.

14. (Currently amended) The sheet of claim + 13 wherein the optional ingredient is selected from the group consisting of a conventional superabsorbent polymer, a nonabsorbent filler, a permeation aid, a pigment, and mixtures thereof.

15. (Previously presented) The sheet material of claim 1 having a stiffness of less than about 6 mNm.

16. (Cancelled)

17. (Previously presented) The sheet material claim 1 wherein the sheet is embossed or needle punched.

18. (Previously presented) An absorbent article comprising a sheet of claim 1.

19. (Original) The article of claim 18 wherein the article is a diaper or a catamenial device.

20. (Previously presented) A diaper having a core, said core comprising at least one absorbent sheet of claim 1.

21. (Previously presented) The diaper of claim 20 wherein the core comprises two to five absorbent sheets of claim 1.

22. (Previously presented) The diaper of claim 21 wherein at least one of adjacent sheets has a wicking layer disposed between the sheets.

23. (Previously presented) The diaper of claim 20 further comprising a topsheet in contact with a first surface of the core, and a backsheet in contact with a second surface of the core, said second core surface opposite from said first core surface.

24. (Previously presented) The diaper of claim 20 further comprising an acquisition layer disposed between the topsheet and the core.

25. (Previously presented) The diaper claim 20 wherein the diaper is free of an acquisition layer.

26. (Cancelled)

27. (Cancelled)

28. (Currently amended) A fluffless, ~~flexible~~ absorbent sheet comprising:

- (a) a superabsorbent polymer component, as particles, comprising
 - (i) at least one unneutralized acidic water-absorbing resin, and
 - (ii) at least one unneutralized basic water-absorbing resin, wherein the superabsorbent polymer component is free of interparticle crosslinking;
- (b) a plasticizing component in an amount of about 0.1 to about 200 parts by weight per 100 weight parts of the superabsorbent polymer component, wherein the sheet contains about 60% to 100%, by weight, of (a) and (b); and
- (c) 0% to 40%, by weight in total, of one or more optional ingredient selected from the group consisting of a conventional superabsorbent polymer, a nonabsorbent filler, a permeation aid, a pigment, and mixtures thereof;
wherein said sheet is free of fibers, is flexible, and has a density of about 0.65 to about 0.85 g/cc.